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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Venkat Gopalan et al. Art Unit: 1652  
Serial No.: 09/516,061 Examiner: Charles L. Patterson Jr.  
Filed: March 1, 2000 Customer No.: 21559  
Title: NOVEL BACTERIAL RNASE P PROTEINS AND THEIR USE IN  
IDENTIFYING ANTIBACTERIAL COMPOUNDS

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DECLARATION OF KRISTINA BIEKER-BRADY, PH.D.

I, Kristina Bieker-Brady, Ph.D., state as a Registered Patent Attorney, that the following amendment to the specification of the above-referenced application consists of the same material incorporated by reference to Brown, *Nucleic Acids Research* 27:314 (1999), the Ribonuclease P Database described therein, EP 0 811 688 A2, and WO 99/11653, as described on page 7, lines 17-22 of the specification as filed.

The RNase P sequences described in these references and excluded by the present invention are shown in Tables 1 and 2 along with their SEQ ID NOs or GenBank numbers.

**Table 1. Bacterial RNase P Sequences with SEQ ID NOs**

SEQ ID NO	Organism Name	RNase P polypeptide sequence
SEQ ID NO: 92	<i>Salmonella typhi</i> (CT18)	VVKLAFPRELRLTPAHFTFVFQQPQRAGT PQITXLGRLNSLGHPRIGLTVAKKNVRRAH ERXRIKRLTRESFRLRQHELPAMDFVVVAK KGVADLDNRALSEALEKLWRRHCRLARG
SEQ ID NO: 93	<i>Yersinia pestis</i> (Orientalis)	VVKLAFPRELRLTPSHFTFVFQQPQRAGT PQITILGRLNELGHPRIGLTVAKKHVKRAH ERNRIKRLTRESFRLHQHALPSMDFVVVLVK KGVADLDNRALTEALEKLWRRHCRQAPAS
SEQ ID NO: 94	<i>Mycobacterium bovis</i> (AF2122/97)	VLRARNRMRRSADFETTVKHGMRTVRSDMV VYWWRGSGGGPRVGLIIAKSVGSAVERHRVA RRRLRHVAGSIVKELHPSDHVVIRALPSSRHVSS ARLEQQLRCGLRRAVELAGSD
SEQ ID NO: 95	<i>H. influenza</i>	MLKVVVKVYLHNHNSQFLVVKLNFSRELRL TPIQFKNVFEQPFRASTPEITILARKNNLEHPR LGLTVAKKHLKRAHERNRIKRLVRESFRLSQ HRLPAYDFVFVAKNGIGKLDNNNTFAQILEKL WQRHIRLAQKS
SEQ ID NO: 96	<i>M. tuberculosis</i> -2	MIATPGLFAVLARNRMRRSADFETTVKG MRTVRSDMVYWWRGSGGGPRVGLIIAKSV GSAVERHRVARRLRHVAGSIVKELHPSDHVV IRALPSSRHVSSARLEQQLRCGLRRAVELAGS DR
SEQ ID NO: 97	<i>Staphylococcus aureus</i>	MLEKVYRIKKNADFGRIYKKGHSVANRQFV VYTCNNKEIDHFRLGISVSKKLGNAVRNKK RAIRENFKVHKSHILAKDIIVIARQPAKDMTL QIQNSLEHVLKIAKVFNKKIK
SEQ ID NO: 98	<i>Staphylococcus pneumonia</i>	LKKNFRVKREKDFKAIFKEGTSFANRKFVVYQ LENQKNHFRVGLSVSKKLGNAVTRNQIKRRIR HIIQAKGSLVEDVDFVVIARKGVETLGYAEMEK NLLHVLKLSKIYRE

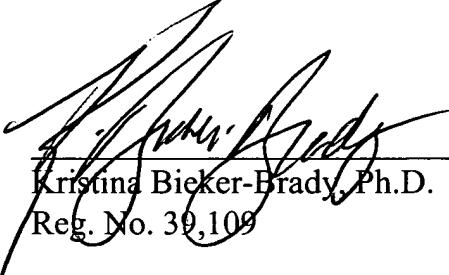
**Table 2. Bacterial RNase P sequences with GenBank Nos.**

<b>GenBank No.</b>	<b>Organism Name</b>
U10529	<i>Coxiella burnetii</i> (None Mile)
AJ235272	<i>Rickettsia prowazekii</i> (Madrid E)
AL162753	<i>Neisseria meningitidis</i> (Z2491)
AE002540	<i>Neisseria meningitidis</i> (MC58)
M80817	<i>Buchnera aphidocola</i> (unspecified)
AF008210	<i>Buchnera aphidocola</i> (SGS)
AP000398	<i>Buchnera</i> sp. (APS)
U32848	<i>Haemophilus influenza</i> (RD KW20)
M11056	<i>Escherichia coli</i> (unspecified)
AE000394	<i>Escherichia coli</i> (K-12)
M58352	<i>Proteus mirabilis</i> (unspecified)
AE004968	<i>Pseudomonas aeruginosa</i> (PAO1)
P25752	<i>Pseudomonas putida</i> (unspecified)
AE004083	<i>Xylella fastidiosa</i> (unspecified)
AL139076	<i>Campylobacter jejuni</i> (NCTC 11168)
AE000645	<i>Helicobacter pylori</i> (26695)
AE001557	<i>Helicobacter pylori</i> (J99)
U64884	<i>Micrococcus luteus</i> (S66)
AF222789	<i>Mycobacterium avium</i> (104)
L39923	<i>Mycobacterium leprae</i> (Lortist 6)
AL021426	* <i>Mycobacterium tuberculosis</i> (H37Rv)
X92504	
M83112	<i>Streptomyces bikiniensis</i> (Zorbonenis)
M82836	
AL049826	* <i>Streptomyces coelicolor</i> (A3(2))
AF031590	
AB013492	<i>Bacillus halodurans</i> (C-125)
AL009126	<i>Bacillus subtilis</i> (168) X62539
P14982	<i>Mycoplasma capricolum</i> (mcs5)
U39713	<i>Mycoplasma genitalium</i> (G-37)
U00089	<i>Mycoplasma pneumoniae</i> (M-129)
AF135268	<i>Staphylococcus aureus</i> (ISP3)
AE002158	<i>Ureaplasma urealyticum</i> (3/1)
AJ000513	<i>Pseudanabaena</i> sp. (PCC6903)
X81989	<i>Synechocystis</i> sp. (PCC6803)
Z12166	<i>Borellia burgdorferi</i> (212)
AE000783	<i>Borellia burgdorferi</i> (B31)
P50069	<i>Treponema pallidum</i> (Nichols)

AE001351	Chlamydia trachomatis (serovar D)
AE002160	Chlamydia muridarum (trachomatis MoPn)
AE001673	Chlamydophila pneumoniae (CWL 029)
AE002251	Chlamydophila pneumoniae (AR39)
AE002049	Deinococcus radiodurans (R1)
AAD36531	Thermotoga maritima (MSB8)

\*Note that for sequences with more than one GenBank number listed, the RNase P polypeptide sequence, or fragment thereof, is identical.

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